

**Notice of Allowability**

Application No.

10/572,835

Examiner

Vincent Q. Nguyen

Applicant(s)

LURKENS, PETER

Art Unit

2831

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment 2/13/2008 and interview 3/25/2008.
2. ☒ The allowed claim(s) is/are 1,2 and 4-9.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application   |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>3/25/2008</u> . |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date <u>2/13/2008</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                    | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                          |
|   | 9. <input type="checkbox"/> Other _____.  |

/Vincent Q. Nguyen/  
Primary Examiner, Art Unit 2831

## DETAILED ACTION

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Dicran Halajian on March 25, 2008.

2. The application has been amended as follows:

8.(Currently Amended) A circuit arrangement for a high-pressure gas discharge lamp,

Deleted: implementing a method as claimed in claim 1

the circuit arrangement comprising:

means for switching off a current through the current sensor for a first period during a

first half wave;

means for determining a first test value;

means for switching off the current through the current sensor for a second period

during a second half wave having a different polarity;

means for determining a second test value;

means for forming an average value of the first test value and the second test value;

and

means for determining the zero point by means of said average value, wherein final test

values of the current sensor immediately before a renewed switch-on of the current is

used for determining the zero point.

9.(Currently Amended) A projection system with a circuit arrangement for high-pressure gas discharge lamps, the circuit arrangement comprising:

**Deleted:** implementing a method as claimed in claim 1

means for switching off a current through the current sensor for a first period during a

first half wave;

means for determining a first test value;

means for switching off the current through the current sensor for a second period

during a second half wave having a different polarity;

means for determining a second test value;

means for forming an average value of the first test value and the second test value;

and

means for determining the zero point by means of said average value, wherein final test

values of the current sensor immediately before a renewed switch-on of the current is

used for determining the zero point.

### ***Allowable Subject Matter***

3. Claims 1, 2, 4-9 are allowed.

4. The following is an examiner's statement of reasons for allowance:

The prior art of record does not teach or suggest a method of determining a zero point of a current sensor in a circuit for operating a gas discharge lamp having the steps of determining the zero point by means of the average value, wherein final test values of the current sensor immediately before a renewed switch-on of the current is used for

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determining the zero point, as recited in the independent claim 1; determining the zero point by means of the average value, wherein an interval between two measurement groups, each group consisting of two measurements in two respective half waves of different polarity in quick succession, amounts to several seconds up to minutes, as recited in the independent claim 4; a circuit arrangement for a high-pressure gas discharge lamp having means for forming an average value of the first test value and the second test value; and means for determining the zero point by means of said average value, wherein final test values of the current sensor immediately before a renewed switch-on of the current is used for determining the zero point, as recited in the independent claim 8; a projection system with a circuit arrangement for high-pressure gas discharge lamps having means for forming an average value of the first test value and the second test value; and means for determining the zero point by means of said average value, wherein final test values of the current sensor immediately before a renewed switch-on of the current is used for determining the zero point, as recited in the independent claim 9, and in combination of the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vincent Q. Nguyen whose telephone number is (571) 272-2234. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diego F. F. Gutiérrez can be reached on (571) 272-2245. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Vincent Q. Nguyen/  
Primary Examiner, Art Unit 2831

March 29, 2008